Section I:

AMENDMENT UNDER 37 CFR §1.121 to the CLAIMS

Claim 1 (original):

A method of providing an extension to a default set of resource functions in an enterprise application server, said application server having a default Universal Resource Locator (URL) stream handler factory class, said method comprising the steps of:

providing one or more extension URL providers on an application server, said extension URL providers each having a specified name, description, supported protocol and stream handler class name, and classpath;

binding a reference to one or more extension URL objects into a global namespace on said application server;

registering said extension URL providers to be used by an application program in a table of parameter sets having a protocol identifier and a stream handler class identifier;

overriding said default URL stream handler to enable an extension URL stream handler; and

binding one or more extension URL objects into an application server namespace such that said registered extension URL providers and extension URL objects are available to and for use by an application program through an application server naming service.

Claim 2 (original):

The method as set forth in Claim 1 further comprising the steps of:

executing a computer instruction by an application program to lookup a resource object by a resource name via an application server naming service; and

retrieving a bound and registered extension URL object according to said resource name.

Claim 3 (previously amended):

The method as set forth in Claim 1 wherein said step of providing one or more extension URL providers includes specifying a classpath as a location of a jar file.

Claim 4 (original):

The method as set forth in Claim 1 wherein said step of overriding said default URL stream handler is performed by executing a Java function to set the application server's URL Stream Handler Factory to said extension URL stream handler.

Claim 5 (original):

A computer readable medium encoded with software for providing an extension to a default set of resource functions in an enterprise application server, said application server having a default Universal Resource Locator (URL) stream handler factory class, said software when executed by an application server to perform the following steps:

provide one or more extension URL providers on an application server, said extension URL providers each having a specified name, description, supported protocol and stream handler class name, and classpath;

bind a reference to one or more extension URL objects into a global namespace on said application server;

register said extension URL providers to be used by an application program in a table of parameter sets having a protocol identifier and a stream handler class identifier;

override said default URL stream handler to enable an extension URL stream handler; and

bind one or more extension URL objects into an application server namespace such that said registered extension URL providers and extension URL objects are available to and for use by an application program through an application server naming service.

Claim 6 (original):

The computer-readable medium as set forth in Claim 5 further comprising software for performing the steps of:

executing a computer instruction by an application program to lookup a resource object by a resource name via an application server naming service; and

retrieving a bound and registered extension URL object according to said resource name.

Claim 7 (previously amended):

The computer-readable medium as set forth in Claim 5 wherein said software for providing one or more extension URL providers includes software for specifying a classpath as a location of a jar file.

Claim 8 (original):

The computer-readable medium as set forth in Claim 5 wherein said software for overriding said default URL stream handler is comprises software for executing a Java function to set the application server's URL Stream Handler Factory to said extension URL stream handler.

Claim 9 (original):

An extensible Universal Resource Locator (URL) resource system for an enterprise application server, said enterprise application server having a default set of resource functions in an enterprise application server and a default Universal Resource Locator (URL) stream handler factory class, said extensible URL resource system comprising:

one or more extension URL providers on an application server, said extension URL providers each having a specified name, description, supported protocol and stream handler class name, and classpath;

a registry of said URL providers comprising a table having a parameter set for each URL provider, said parameter set comprising a protocol identifier and a stream handler class identifier;

a default URL stream handler factory overrider adapted to replace said default URL stream handler factory with a extension URL stream handler factory; and

one or more bound references for of one or more URL objects into an application server namespace such that said registered URL providers and URL objects are available to an application program via an application server naming service.

Claim 10 (original):

The extensible Universal Resource Locator (URL) resource system as set forth in Claim 9 further comprising:

a lookup facility for looking up a resource object by a resource name for use by an application program; and

a URL object retriever adapted to retrieve a bound and registered URL object according to said looked-up resource name.

Claim 11 (previously amended):

The extensible Universal Resource Locator (URL) resource system as set forth in Claim 9 wherein said extension URL providers include a classpath specifying a location of a jar file.

Claim 12 (original):

The extensible Universal Resource Locator (URL) resource system as set forth in Claim 9 wherein said default URL stream handler overrider comprises a Java function to set the application server's URL Stream Handler Factory to said extension URL stream handler.

Claim 13 (new):

The method as set forth in Claim 1 wherein:

said one or more extension URL providers on an application server comprise a provider compatible with or compliant with Java 2 Enterprise Edition (J2EE) specifications;

said step of binding a reference to one or more extension URL objects into a global namespace on said application server comprises binding into a J2EE global namespace;

said step of registering said extension URL providers comprises registering with a J2EE application server;

said step of overriding said default URL stream handler to enable an extension URL stream handler comprises overriding a J2EE URL stream handler; and

said step of binding one or more extension URL objects into an application server namespace comprises binding into a J2EE application server namespace such that said registered extension URL providers and extension URL objects are available to and for use by a J2EE application program through an application server naming service.

Claim 14 (new):

The computer-readable medium as set forth in Claim 5 wherein:

said one or more extension URL providers on an application server comprise a provider compatible with or compliant with Java 2 Enterprise Edition (J2EE) specifications;

said software for binding a reference to one or more extension URL objects into a global namespace on said application server comprises software for binding into a J2EE global namespace;

said software for registering said extension URL providers comprises software for registering with a J2EE application server;

said software for overriding said default URL stream handler to enable an extension URL stream handler comprises software for overriding a J2EE URL stream handler; and

said software for binding one or more extension URL objects into an application server namespace comprises software for binding into a J2EE application server namespace such that said registered extension URL providers and extension URL objects are available to and for use by a J2EE application program through an application server naming service.

Claim 15 (new):

The system as set forth Claim 9 wherein:

said one or more extension URL providers on an application server comprise Java Version 2 Enterprise Edition (J2EE) compliant or compatible URL providers;

said registry of said URL providers comprises a J2EE registry;

said default URL stream handler factory overrider is adapated to replace a default J2EE URL stream handler factory with a extension URL stream handler factory; and

said one or more bound references for of one or more URL objects into an application server namespace comprise J2EE namespace bindings such that said registered URL providers and URL objects are available to a J2EE application program via an application server naming service.